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=> s nucleic (5w) acid
      7889 NUCLEIC
      356036 ACID
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24 MAY 95 15:34:11 U.S. Patent & Trademark Office P0003  
L1 5166 NUCLEIC (5W) ACID

```
=> s l1 and purif?
      134978 PURIF?
L2      3916 L1 AND PURIF?
```

```
=> s 12 and DNA
      12212 DNA
L3      3213 L2 AND DNA
```

```
=> s 13 and silica
      131239 SILICA
L4      708 L3 AND SILICA
```

```
=> sm 14 and buffer
'SM' IS NOT A RECOGNIZED COMMAND
```

```
=> s 14 and buffer
      120875 BUFFER
L5      584 L4 AND BUFFER
```

```
=> s 15 and wash?
322307 WASH?
L6      560 L5 AND WASH?
```

=> s 16 and anion?

79766 ANION?

L7 177 L6 AND ANION?

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U.S. Patent & Trademark Office

P0004

=> s 17 and exchange

120530 EXCHANGE

L8 122 L7 AND EXCHANGE

=> s 18 and resin

211137 RESIN

L9 73 L8 AND RESIN

=> s 19 and chloroform

68322 CHLOROFORM

L10 40 L9 AND CHLOROFORM

=> s 19 not 1 10

425591 L

1691554 10

2501 L 10

(L(W)10)

L11 70 L9 NOT L 10

=> s 19 and phenol

'-S' IS NOT A RECOGNIZED COMMAND

=> s 19 and phenol

75932 PHENOL

L12 31 L9 AND PHENOL

=> s 111 not 1122

L13 42 L11 NOT L12

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U.S. Patent & Trademark Office

P0005

=> d 113 cit 1-42

1. 5,418,136, May 23, 1995, Devices for detection of an analyte based upon light interference; B. John Miller, et al., 435/5; 356/345; 359/577, 580, 586, 589; 422/55, 57, 58; 435/6, 7.21, 7.32, 7.34, 7.36, 7.4, 808, 974; 436/164, 510, 524, 525, 527, 528, 531, 805 [IMAGE AVAILABLE]

2. 5,408,036, Apr. 18, 1995, Isolated metallopeptide: compositions and synthetic methods; M. Reza Ghadiri, 530/304, 300, 326 [IMAGE AVAILABLE]

3. 5,378,816, Jan. 3, 1995, Methods for high purity chromatographic separation of proteins having EGF-like binding domains; Erno Fungor, et al., 530/412, 324, 399, 416 [IMAGE AVAILABLE]

4. 5,376,367, Dec. 27, 1994, Fusion proteins comprising MGF and IL-3; Douglas E. Williams, 424/85.2, 85.1; 435/69.52, 69.7; 530/350, 351, 402 [IMAGE AVAILABLE]

5. 5,366,860, Nov. 22, 1994, Spectrally resolvable rhodamine dyes for \*\*nucleic\*\* \*\*acid\*\* sequence determination; B. John Bergot, et al.,

435/6; 536/25.32 [IMAGE AVAILABLE]

6. 5,359,039, Oct. 25, 1994, Isolated poxvirus A53R-equivalent tumor necrosis factor antagonists; Craig A. Smith, et al., 530/350; 424/186.1, 232.1; 530/826; 536/23.72; 930/220 [IMAGE AVAILABLE]

7. 5,340,716, Aug. 23, 1994, Assay method utilizing photoactivated chemiluminescent label; Edwin F. Ullman, et al., 435/6, 7.7 [IMAGE AVAILABLE]

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8. 5,338,834, Aug. 16, 1994, Ultrapure human interleukin-6; Ashley M. Williams, 530/351, 412, 415, 416, 417 [IMAGE AVAILABLE]

9. 5,328,988, Jul. 12, 1994, Interleukin-7; Anthony E. Namen, et al., 530/351; 424/85.2; 435/69.52; 930/141 [IMAGE AVAILABLE]

10. 5,319,071, Jun. 7, 1994, Soluble interleukin-1 receptors; Steven K. Dower, et al., 530/350; 424/85.2; 530/351, 395, 402; 930/141 [IMAGE AVAILABLE]

11. 5,296,592, Mar. 22, 1994, Process for \*\*purifying\*\* interleukin-1 receptors; Steven K. Dower, et al., 530/413, 350, 351, 395, 412, 417 [IMAGE AVAILABLE]

12. 5,292,652, Mar. 8, 1994, Amyloidin protease and uses thereof; Harry F. Dovey, et al., 435/226, 219 [IMAGE AVAILABLE]

13. 5,284,755, Feb. 8, 1994, \*\*DNA\*\* encoding leukemia inhibitory factor receptors; David P. Gearing, et al., 435/69.1, 69.7, 252.3, 320.1; 536/23.4, 23.5 [IMAGE AVAILABLE]

14. 5,262,522, Nov. 16, 1993, Receptor for oncostatin M and leukemia inhibitory factor; David P. Gearing, 530/350; 435/69.7, 252.3, 320.1 [IMAGE AVAILABLE]

15. 5,252,216, Oct. 12, 1993, Protein \*\*purification\*\*; Gail Eolena-Wasserman, et al., 210/635, 656; 530/380, 413, 416, 417, 420 [IMAGE AVAILABLE]

16. 5,250,515, Oct. 5, 1993, Method for improving the efficacy of insect toxins; Roy L. Fuchs, et al., 514/12; 424/93.461, 195.1; 530/370, 379 [IMAGE AVAILABLE]

17. 5,234,839, Aug. 10, 1993, Compositions for detecting ras gene proteins and cancer therapeutics; Frank P. McCormick, et al., 436/501; 435/7.1; 436/813; 530/350, 395, 416, 828; 935/11, 13, 111 [IMAGE AVAILABLE]

18. 5,227,474, Jul. 13, 1993, Bifunctional chelating agents; David K. Johnson, et al., 534/558, 560, 727, 751, 885; 536/22.1, 26.1; 544/217; 548/546; 552/8, 505; 558/10, 17; 562/7, 426, 437, 448 [IMAGE AVAILABLE]

19. 5,223,605, Jun. 29, 1993, Interleukin-4 binding protein-.gamma.; William C. Fanslow, et al., 530/350; 435/69.1, 69.2; 530/351, 389.1, 395,

827: 930/141 [IMAGE AVAILABLE]

20. 5,217,866, Jun. 8, 1993, Polynucleotide assay reagent and method; James Summerton, et al., 435/6; 436/501; 935/77, 78 [IMAGE AVAILABLE]

21. 5,188,934, Feb. 23, 1993, 4,7-dichlorofluorescein dyes as molecular probes; Steven M. Menchen, et al., 435/6, 91.5, 172.3, 968; 436/800; 549/224, 382; 935/77 [IMAGE AVAILABLE]

22. 5,187,085, Feb. 16, 1993, \*\*Nucleic\*\* \*\*acid\*\* sequence analysis with nucleoside-5'-O-(1-thiotriphosphates); Linda G. Lee, 435/6, 91.5, 968; 436/501, 800; 935/78, 88 [IMAGE AVAILABLE]

23. 5,177,241, Jan. 5, 1993, Synthesis of 1,2-dioxetanes and intermediates therefor; Irena Y. Bronstein, et al., 558/194; 252/700 [IMAGE AVAILABLE]

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24. 5,151,507, Sep. 29, 1992, Alkynylamino-nucleotides; Frank W. Hobbs, Jr., et al., 536/26.7, 27.14, 27.2, 28.52, 28.53; 544/243, 244 [IMAGE AVAILABLE]

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27. 5,084,086, Jan. 28, 1992, Herbicide utility on resistant crops; David R. Forney, et al., 504/212, 214; 544/211, 321, 332 [IMAGE AVAILABLE]

28. 5,081,228, Jan. 14, 1992, Interleukin-1 receptors; Steven K. Dower, et al., 530/351; 424/85.1, 85.2; 435/69.1, 69.5; 514/2, 8; 530/350, 395, 820 [IMAGE AVAILABLE]

29. 5,057,302, Oct. 15, 1991, Bifunctional chelating agents; David K. Johnson, et al., 424/1.17, 1.65, 1.69, 1.73, 9, 93.4, 93.5, 93.6, 94.3, 179.1; 435/7.92, 174, 177; 436/501, 504; 514/6, 32, 42, 54, 171; 530/300, 345, 391.5, 395, 408, 409, 410; 534/10, 15, 767; 536/17.6, 22.1, 25.32, 123.1; 540/3, 110; 552/504, 550; 558/17 [IMAGE AVAILABLE]

30. 5,047,519, Sep. 10, 1991, Alkynylamino-nucleotides; Frank W. Hobbs, Jr., et al., 536/27.14; 514/45; 536/27.2; 544/243, 244 [IMAGE AVAILABLE]

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31. 5,019,634, May 28, 1991, Group transfer living polymer grafted to an initiator support; Fritz P. Boettcher, et al., 526/262; 525/248, 254, 282, 294, 301, 302, 309; 526/190, 194, 286, 303.1, 312, 328, 329.7, 341 [IMAGE AVAILABLE]

32. 4,968,607, Nov. 6, 1990, Interleukin-1 receptors; Steven K. Dower, et al., 435/69.1, 235.1, 240.1, 252.8; 530/388.22, 399; 536/23.5, 23.51,

24.31 [IMAGE AVAILABLE]

33. 4,965,195, Oct. 23, 1990, Interleukin-7; Anthony E. Namen, et al., 435/69.52, 91.41, 91.51, 172.1, 172.3, 320.1; 530/350, 351; 536/24.3, 24.31 [IMAGE AVAILABLE]

34. 4,956,477, Sep. 11, 1990, Synthesis of 1,2-dioxetanes; Irena Y. Bronstein, et al., 549/221; 204/157.68, 157.69; 536/18.1; 549/214, 332, 510; 556/405; 558/86, 99, 167, 184, 193, 197; 560/139, 144; 564/269; 568/326, 633 [IMAGE AVAILABLE]

35. 4,940,760, Jul. 10, 1990, Group Transfer Polymerization process employing supported initiators; Fritz P. Boettcher, et al., 526/190, 192, 194, 221, 262, 286, 303.1, 312, 328, 329.7, 341 [IMAGE AVAILABLE]

36. 4,894,439, Jan. 16, 1990, N-terminal derivatives of tumor necrosis factor \*\*purified\*\* by microporous PTFE membranes; Glenn Dorin, et al., 530/351; 435/69.5; 530/412, 416, 417, 820, 825 [IMAGE AVAILABLE]

37. 4,828,990, May 9, 1989, Method for \*\*purifying\*\* an interferon; Naoki Higashi, et al., 435/69.51; 424/85.5; 435/811; 530/351; 930/20, 142 [IMAGE AVAILABLE]

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38. 4,699,717, Oct. 13, 1987, Chromatographic process for the separation of nucleic acids; Detlev Riesner, et al., 536/25.4; 210/198.2, 502.1, 635, 656; 502/401, 439; 514/44; 536/26.73 [IMAGE AVAILABLE]

39. 4,612,371, Sep. 16, 1986, Anthracycline antibiotics; Akihiro Yoshimoto, et al., 536/6.4 [IMAGE AVAILABLE]

40. 4,292,309, Sep. 29, 1981, Antibiotics C-14482 B.sub.1, B.sub.2 and B.sub.3; Eiji Higashide, et al., 424/119, 120; 435/170, 253.2 [IMAGE AVAILABLE]

41. 4,254,082, Mar. 3, 1981, Specific binding-adsorbent assay test means; Lloyd A. Schick, et al., 422/55, 59, 61; 436/500, 512, 804, 820 [IMAGE AVAILABLE]

42. 4,145,406, Mar. 20, 1979, Specific binding - adsorbent assay method and test means; Lloyd A. Schick, et al., 436/541, 542, 804, 820 [IMAGE AVAILABLE]